

ABSTRACT

A support sleeve press-fitted onto an end ring of a rotor applies a compressive pre-load stress on the end ring to counteract centrifugal stresses generated during rotor operation. In one embodiment, the support sleeve is made of a high-strength material having a thermal growth coefficient that is substantially the same as the thermal growth coefficient of the end ring material to minimize centrifugal and thermal stress in the end ring.

N:\Clients\HAMILTON SUNDSTRAND\IP00039\PATENT\AppIn039.DOC